

The Office Action rejects claims 1-3 under 35 U.S.C. § 102 over JP 7-201720 (Tamura), rejects claims 4-10 under 35 U.S.C. § 103 over Tamura in view of Saitou (USP 4,692,579) and rejects claims 8-9 under 35 U.S.C. § 103 over Tamura and Saitou in view of Komaru (USP 3,921,135). These rejections are respectfully traversed.

It is respectfully submitted that Tamura does not disclose or suggest the hardware elements recited in independent claims 1 and 10. In contrast, Tamura discloses calculating amounts of doses of an irradiated particle beam in a CPU 31 using software as shown in Fig. 9. Tamura does not disclose or suggest the recited units and adding circuits, and thus cannot anticipate claim 1 or claims dependent therefrom.

Further, in Saitou, N and M are numbers of dots 24 of an electron beam in a pattern 23 as shown in Figs. 2, 5 and 9, and not meshes. Further, the cited references do not disclose N x M memories.

For at least the above reasons, it is submitted that none of the claims are either anticipated or rendered obvious by these cited references. Withdrawal of the rejections is requested.

For at least the above reasons, it is submitted that the application is in condition for allowance. Prompt consideration and allowance are solicited.

The Office is authorized to charge any fees required under 35 U.S.C. § 1.16 and 1.17, and fees for a petition for an extension of time under 37 C.F.R. §1.136, to Deposit Account 11-0600.

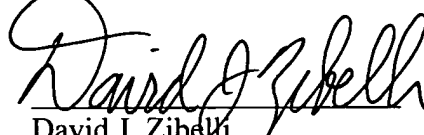
U.S. PATENT APPLICATION NO. 09/315,988
DOCKET NO. 29273/502

Should there be any questions concerning this matter, the Examiner is invited to contact
Applicants' undersigned attorney.

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KENYON & KENYON
1500 K Street, N.W.
Washington, DC 20005
(202) 220-4200 Telephone
(202) 220-4201 Facsimile

Respectfully submitted,


David J. Zibelli
Registration No. 36,394

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